1 2 3 4 5 6 7 8

D

L N FG
R101 1M
R102 1M
C101 2200P
C102 2200P
BD101 GBU405
C103 103
L102
T22*14*6.5, AL5870
C109 0.68U/400V
VS
L103
T94-52-120Ts-820.8uH
R104 10 ohm
D101 1N5406,3A/600V
D102 RHRP860
RT101 5A / 2.5 ohm
VCCP
Q104 KST2222A
R142 10 ohm
DPP
C104 104
R105 10 ohm
Q105 KST2907A
Q101 STP12NM50
R106 10K
R103 0.09 ohm 3W
IS
C105 150uF/400V
VB
T103
R107 10 ohm
R108 10K
Q102 STP12NM50
D103 ES1J
T101
35Ts
K
R146 19.1K
R120 51ohm
C114 104
D110 1N4148
D111 SB1100
L104
C120 1000uF/16V
C121 106/16V
R124 1.5K
GND
-12V
D112 SR2060
D106 SR2060
4T
R121 10ohm
C115 222/50V
A
L105 NO CORE
L106 NO CORE
+12V1
+12V2
C122 1000uF/16V
C132 1000uF/16V
C123 1000uF/16V
R125A 1K
R125B 1K
GND

C

Q106 KST2222A
VCCP
DMM
R141 10 ohm
Q107 KST2907A
R111
C107 104
C106 104
RTN
C108 471
R109 200K
R110 200K
D105 ES1J
30Ts
35Ts
EI-1301,HENGJIN
IL
R112 10 ohm
R113 10K
Q103 STP12NM50
D104 ES1J
R114 0.24 ohm 2W
54Ts
3T
D113 MBRP3045N
D118 MBRP3045N
B
L107 NO CORE
+5V
T106-26
R122 51ohm
C116 471/50V
C124 1000uF/16V
C125 1000uF/16V
R126 200ohm
GND
CN101
1 2 3 4 5 6 7 8 9
L N
D115 1N4148
Q108 STF2907A
R128 5.1ohm
C
R129 820
+3.3V/SENSE
R130 200
R131 2K
C118 104
R132 1.5k
TL101 TL431
R133 4.7k
C119 334
D116 1N4148
L110 6Ts
D114
MBRP3045N
R123 51ohm
L108 T80-26
L109 NO CORE
R134 10 ohm
+3.3V
C
R127 200
C126 1000uF/16V
C127 1000uF/16V
D119 MBRP3045N
C117 221
GND
ER2808

B

C130 3300P
R135 10 ohm
D
L111 7.2uH
+5VSB
SB540
D117
C128 1000uF/16V
C129 1000uF/10V
R136 150 ohm
R137 150ohm
GND
12Ts
T102
105Ts/1.3mH
VB
R116 1 ohm/0.25w
C110 472/1KV
VCCP
R117 68K/1W
D107 ES1J
R118 1M
R115 1M
IC101 TOP243Y
CONTROL
FB2
D109 FR104
R119 10 ohm
35Ts
HEJING-EL-1603-2
R145 6.8 ohm
R144 20K
C111 0.1uF/25V
C112 47uF/25V
DZ102 RLZ16B
C113 220uF/16V

PWM
1 FB2
2 VCCP
3 ILL — IL R140 1K
4 RTN
5 DMM
6
7
8 DPP
9 VBB — VB R143 348K
10 ISS — IS R139 68 ohm
11 VSS — VS R138 357K

HouseKeeping

Signal	Pin
A	1
+3.3V	2
+12V1	3
+12V2	4
-12V	5
GND	6
GND	7
+5Vsb	8
B	9
C	10
D	11
+5V	12
K	13

A

C131 2200P

S101 S102 S103 S104

Title	Main Board	
Size A3	Number	Revision
Date: 16-May-2005	Sheet of	
File: E:\SPI\A2D\FSP250-50PLA\FSP250-50PLA.DDB	Drawn By:	

1 2 3 4 5 6 7 8